

AMENDMENTS TO THE SPECIFICATION:

Pages 2-3, amend paragraph [0010] as:

[0010] A primary object of the present invention is to provide a surface plasmon resonance (SPR) sensor with high sensitivity, in which a dielectric layer having metallic nano-particles ~~metallic nanoparticle layer~~ is capable of enhancing the phenomenon of surface electromagnetic radiation so as to enhance the detecting sensitivity of the sensor significantly. In the disclosure of this invention, the dielectric layer having metallic nano-particles is generally described as a metallic nanoparticle layer.

Page 5, amend paragraph [0028] as:

[0028] Several preferred embodiments of the present invention are described in detail below with reference to the drawings annexed, in which Figures 1, 2, and 6 are not drawn to scale. In the following embodiments, the dielectric layer having metallic nano-particles of the invention is described as a metallic nanoparticle layer to emphasize the existence of the metallic nanoparticles.